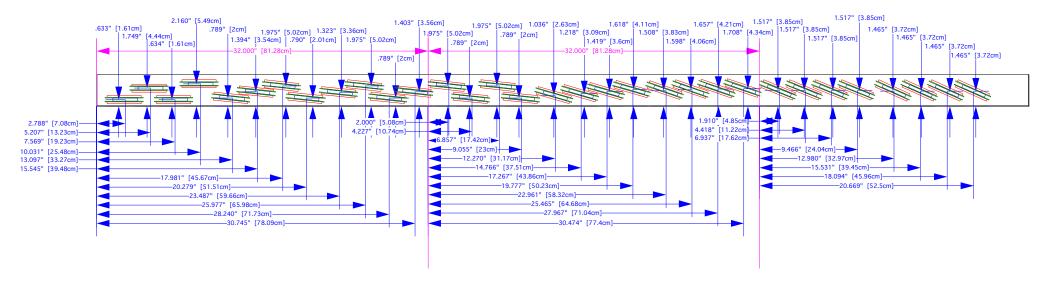


w.j. llope

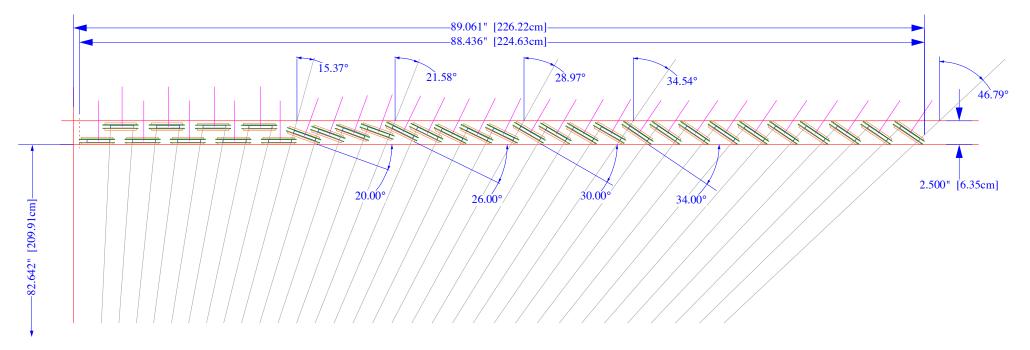
☆ TOF Review, UT-Austin
April 24, 2006

preliminary study of MRPC placement schemes

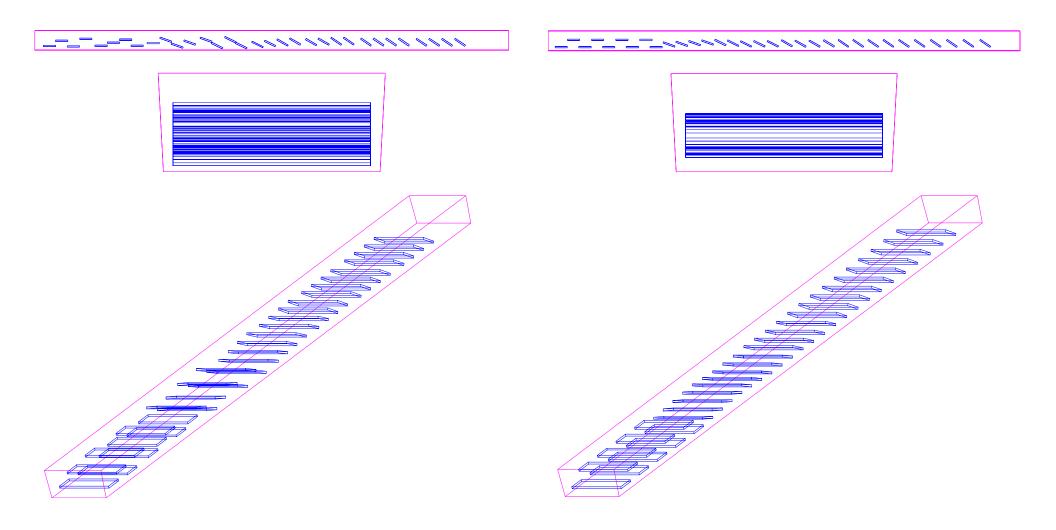
TOFr5



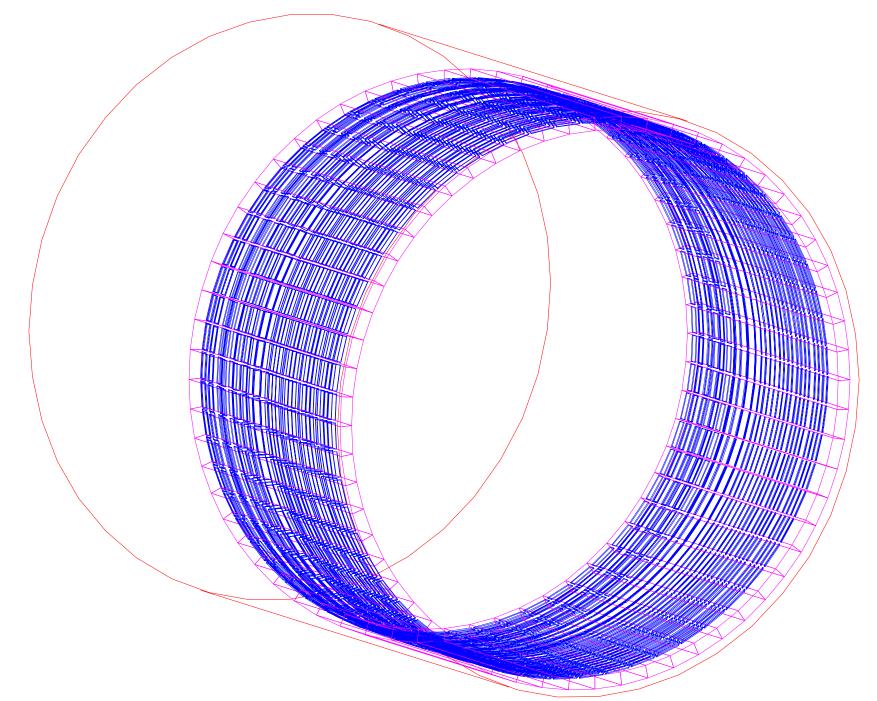
TOF (present draft)



TOFr5



define half-barrel only, generate tracks over full +/- range of Zvtx



```
open question(s) as to positioning of MRPCs w.r.t. tray body not all geometries are possible best possible acceptance most normal angles of incidence study phi,eta,Zvtx dependence of acceptance holes on 'same side' double hits on 'opposite side'
```

new geant code...

throw single tracks and plot probabilities for Nhit = 0, 1, 2 10 GeV protons

cave geometry is vacuum + tof only, geometry is rigorous though MRPC detectors are active air

& the size of the inner glass stack only

positioning and angles

Rmin = 209.91cm

Y,Z = picked off CADD files

no field at the moment

lots of directions to go with this, here's some preliminary plots... code is very simple (<100 lines), very fast, and easy to extend

eta acceptance

no Zvtx smearing here

